

The 21<sup>st</sup> Korean Conference on Semiconductors  
**제21회 한국반도체학술대회**  
February 24–26, 2014 / Hanyang University, Seoul, Korea

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J. Nano-Science & Technology 분과

**[TL1-J] Graphene & 2D**

<b>Date</b>	Feb. 25, 2014 (Tue.)
<b>Place</b>	Room L / 제1공학관 503호 (# 503, Engineering Building I)

Session Chair: 이장식 교수(POSTECH), 박철민 교수(연세대학교)

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- TL1-J-1    09:30-10:00    Transparent Flexible Nanogenerators Based on 1D/2D Piezoelectric and Triboelectric Nanomaterials**  
저자: Sang-Woo Kim  
소속: School of Advanced Materials Science and Engineering, Sungkyunkwan University Advanced Institute of Nanotechnology, CINAP, Institute of Basic Science, Sungkyunkwan University
- TL1-J-2    10:00-10:15    Investigation of Gate Bias Stress Effect on MoS<sub>2</sub> Field Effect Transistors**  
저자: Kyungjune Cho, Woanseo Park, Tae-Young Kim, and Takhee Lee  
소속: Department of Physics and Astronomy, Seoul National University
- TL1-J-3    10:15-10:30    Ambient Dependent Photonic Response of Graphene Photodetectors for Optical Interconnect**  
저자: 유태진<sup>1</sup>, 강창구<sup>2</sup>, 이상경<sup>2</sup>, 최선희<sup>2</sup>, 이병훈<sup>2</sup>  
소속: School of Materials Science and Engineering, Gwangju Institute of Science and Technology
- TL1-J-4    10:30-10:45    Monitoring the Electrical Property of Graphene Transistor by the Oxygen Vacancy Generation of Top Oxide Layer**  
저자: Taekwang Kim<sup>1</sup>, Hyewon Du<sup>1</sup>, Somyeong Shin<sup>1</sup>, Jong-Hyuk Yoon<sup>2</sup>, Eun-Kyu Lee<sup>2</sup>, Seungmin Cho<sup>2</sup>, and Sunae Seo<sup>1</sup>  
소속: <sup>1</sup>Department of Physics, Sejong University, <sup>2</sup>Micro device & machinery solution division, Samsung Techwin R&D center